OWNER'S MANUAL

PORTABLE FM/AM STEREO RADIO CASSETTE RECORDER

SK-200
SK-210 D

Thank you for purchasing this PIONEER product.
Before operating it, be sure to read this manual.

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Model numbers may vary according to the color of the unit, but the specifications and operating instructions remain the same.

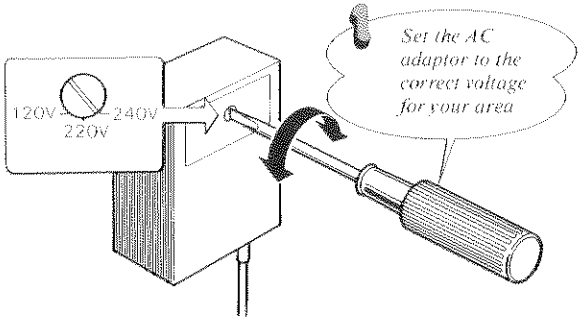
<HRD-153-0>

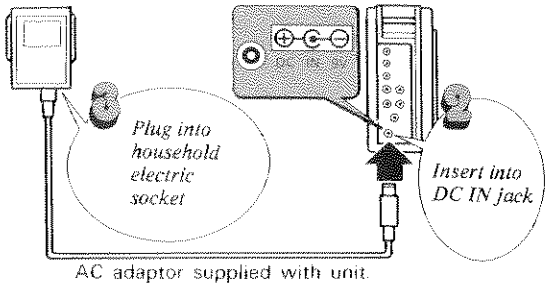
PIONEER®

Printed in Japan

Keep for future reference

To Use Household Current



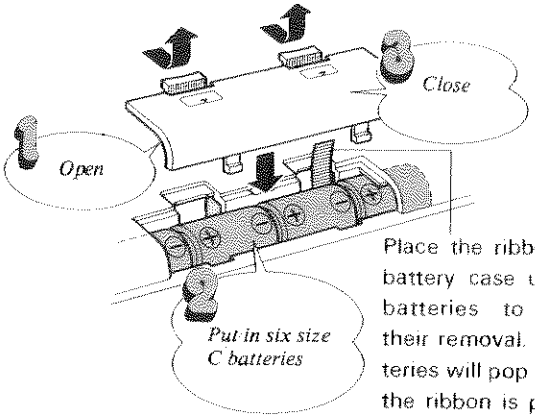


AC adaptor supplied with unit.

- The AC adaptor will be damaged if the voltage setting is lower than the voltage for your area. Always check that the AC adaptor is set to the correct voltage.
- When the AC adaptor is plugged in for a long period of time it will heat up. This is normal and not a malfunction

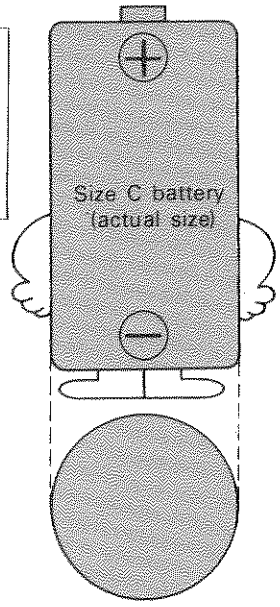
When the AC adaptor is plugged in, the unit will operate on household current even if it contains batteries.

Batteries

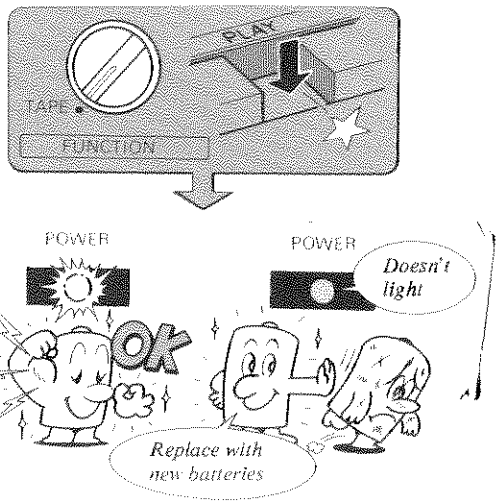


Place the ribbon in the battery case under the batteries to simplify their removal. The batteries will pop out when the ribbon is pulled.

- Do not plug the AC adaptor into the DC IN jack when using batteries.
- To prevent damage from battery leakage, remove the batteries if you do not intend to use the unit for one month or more. If the batteries have leaked, wipe the inside of the battery case thoroughly before loading new batteries.



How to Check Batteries

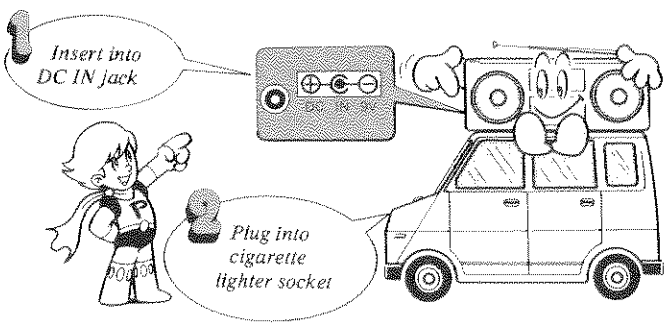


When the batteries become weak, you may be able to listen to the radio but be unable to make a recording. Whenever you plan to make an important recording, be sure to check the batteries first.

Improper use of the batteries can cause battery leakage or explosion. Observe the following:

1. Make sure that the ⊕ and ⊖ polarities are aligned correctly when loading the batteries.
2. Do not combine fresh batteries with old ones. Replace all spent batteries with a new set.
3. All batteries should be of the same type. Never, for example, mix alkaline and conventional batteries.
4. Some batteries are rechargeable, others are not. Be sure to read the instructions on the batteries before use.

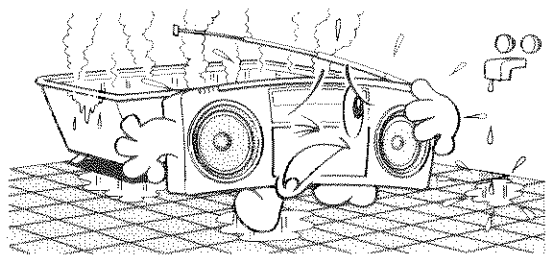
To Use Automobile Power Source



Caution

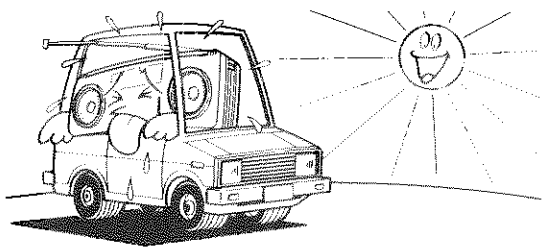
Operation of this unit in the following situations may damage performance and cause electrical shock or fire.

- **Do not operate this unit in places where it may get wet or overheat from excessively high temperatures.**



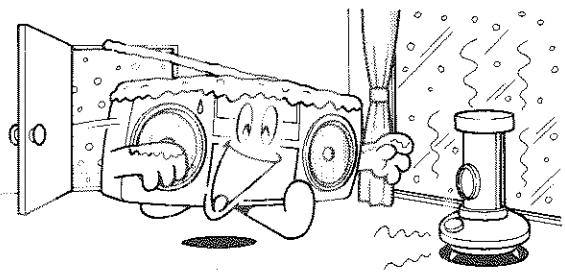
Should the unit get wet, immediately remove the AC adaptor and have the unit checked by your dealer or nearest PIONEER Service Station.

- **Do not place in direct sunlight, or leave in an automobile with all the windows closed.**



In the summer, the temperature in a closed automobile can go as high as 80° C (176° F). Recorder performance may be impaired and the cabinet warped.

- **Do not place near a heater or in areas with a lot of dust.**
- **Do not operate near magnets or speakers.**
- **Do not place in areas where there may be sudden temperature changes.**



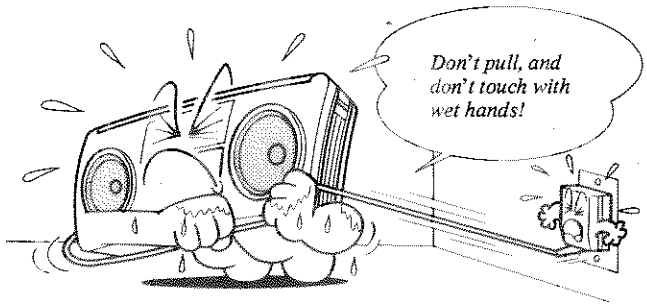
Sudden changes in temperature will cause condensation of moisture inside the unit. Let the unit "adjust" to any changes in temperature before operating.

- **Do not insert foreign objects into the unit, or attempt to disassemble and repair on your own.**

AC Adaptor

Only use the AC adaptor that is provided with this unit. Follow instructions for its use carefully.

- **Do not tie cord in knots.**
- **Do not allow cord to get caught under a television set or stereo unit.**

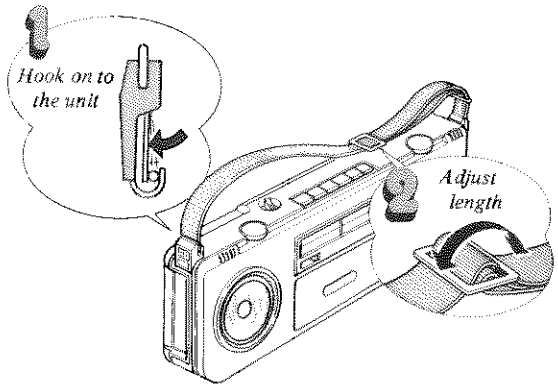


If the AC adaptor is damaged, purchase a new adaptor at your dealer's or nearest PIONEER Service Station.

- **Remove the AC adaptor from the electric socket when you do not plan to use the unit for a long period of time.**

To Use the Strap

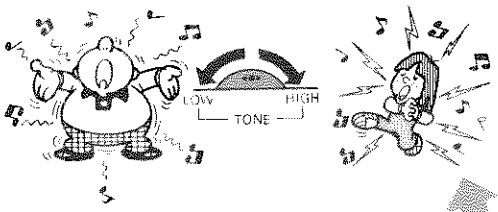
Use the strap provided to carry the unit outdoors.



Keep for future reference

Name of Parts and Their Functions

Tone (TONE) knob



Balance (BALANCE) knob

Function (FUNCTION) switch
TAPE: To listen to tape or when recording with built-in or external microphones.
TUNER: To listen to radio or when recording radio program.
AUX: To listen to or record from television or other tape recorder.
POWER OFF: Cuts off power. (Power to the tape recorder comes on when any of the recorder buttons are depressed.)

Band (BAND) switch
Set to FM for FM broadcast, and to AM for AM broadcast.

Tuning (TUNING) indicator
This indicator will light when a radio station is being received.

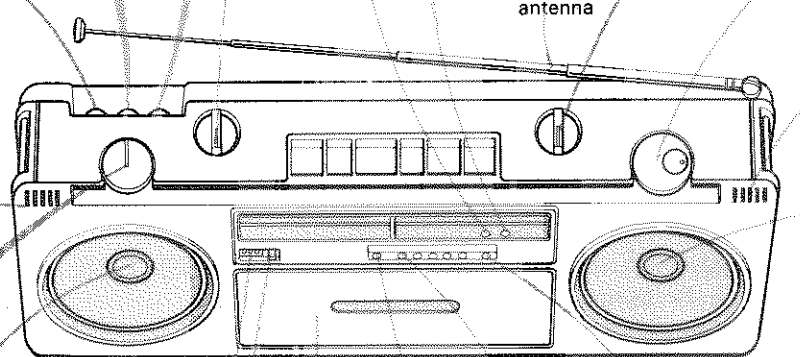
Mixing volume (MIX VOL) knob
Controls microphone volume when mixing.

Stereo (STEREO) indicator

Tuning (TUNING) knob

Telescopic antenna

Built-in microphone (right)



Built-in microphone (left)

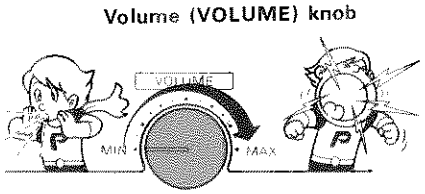
Speaker (right)

Speaker (left)

Recording (REC) indicator

Level (LEVEL) meter

Volume (VOLUME) knob



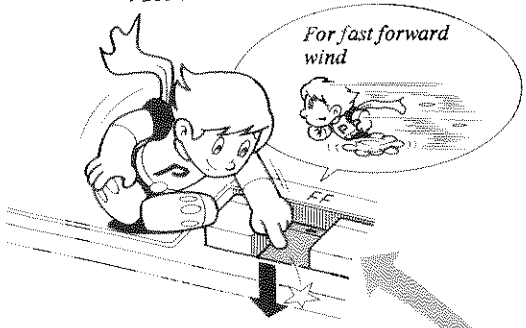
Cassette holder

Power (POWER) indicator
Indicates power is on when lit. Also functions as battery check indicator.

Tape counter (TAPE COUNTER)
Use the numbers to keep track of recorded portions of a tape. This is especially convenient when you are playing back a tape you have recorded.

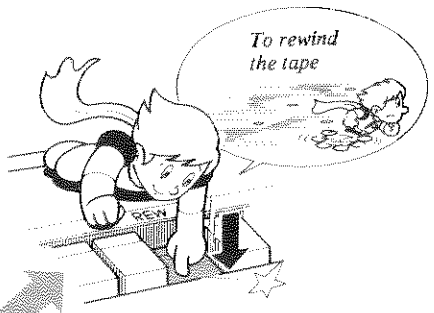
Reset (RESET) button
To reset tape counter to "000".

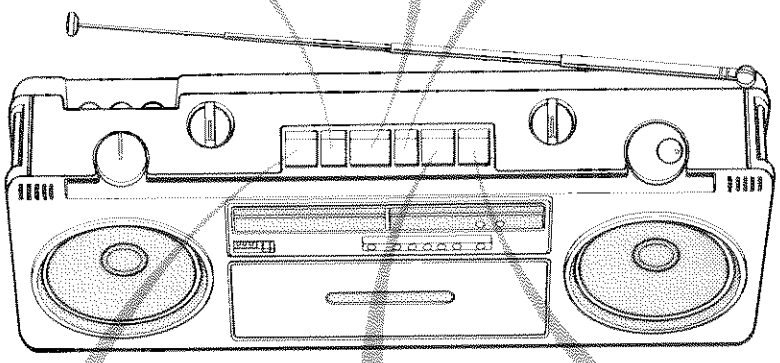
Fast forward (FF) button (◀◀)



Play (PLAY) button (▶)

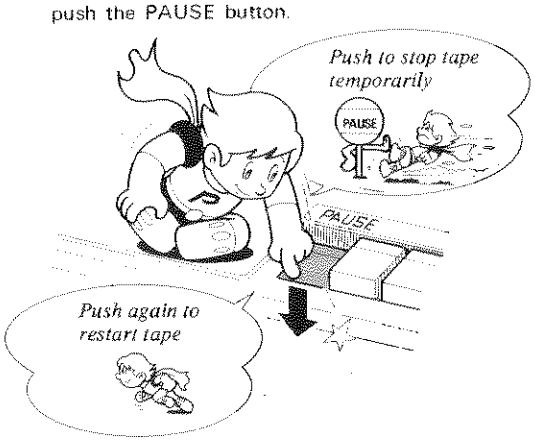
Rewind (REW) button (▶▶)



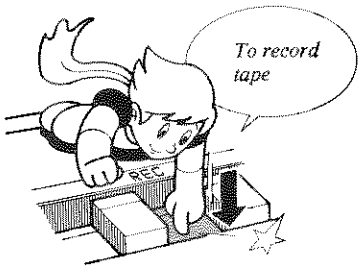


Pause (PAUSE) button (▮▮)

When you wish to briefly stop the tape you are listening to, or if you do not want to record commercials when recording an FM broadcast, push the PAUSE button.



Recording (REC) button (●)

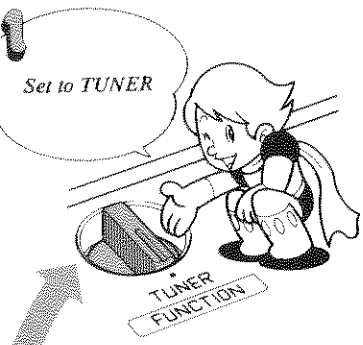


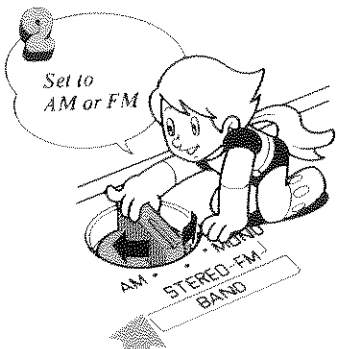
Stop/Eject (STOP/EJECT) button (▲)

The PAUSE button will not work while the FF or REW button is depressed.

for future reference

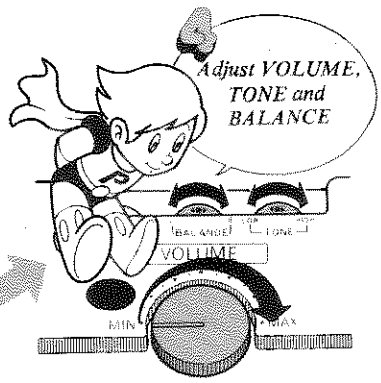
To Listen to the Radio .... Operate in numbered sequence.

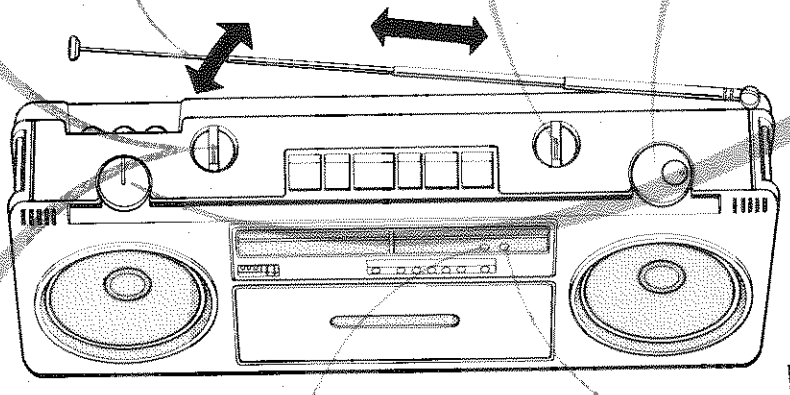




Adjust tuning dial until TUNING indicator lights.

Telescopic antenna
Pull out antenna to full length and adjust position as necessary when listening to an FM station.

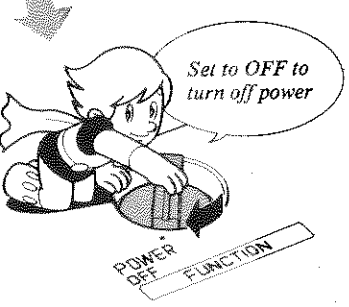


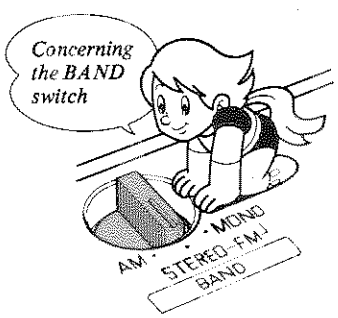


TUNING indicator

STEREO indicator
Will light when receiving stereo FM broadcast.

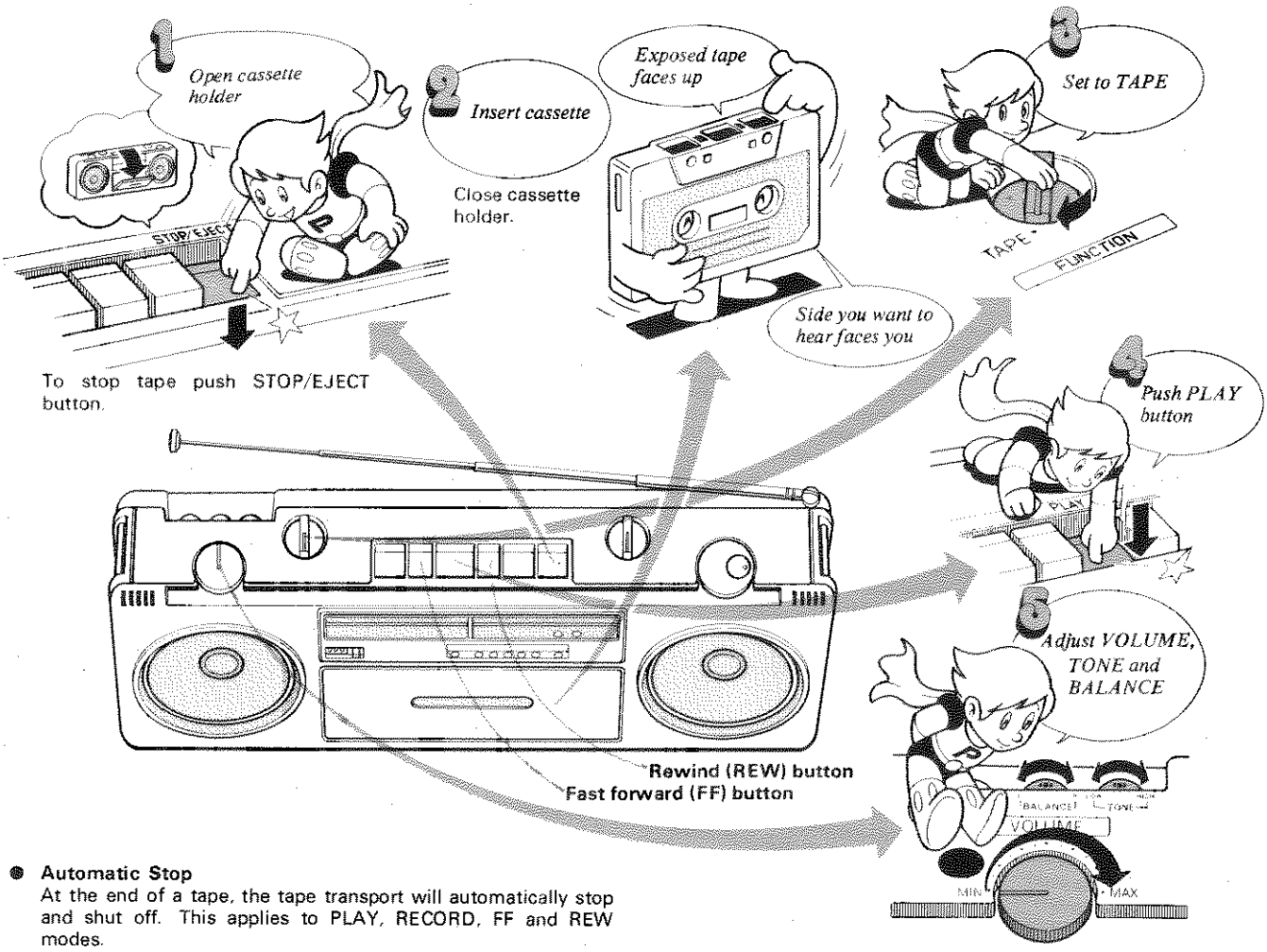
The AM antenna is contained inside the unit. To adjust it for clearer AM reception, move the entire unit.





AM: To listen to AM broadcast.
FM STEREO: To listen to FM broadcast. Will automatically switch to MONO when receiving monaural broadcast.
FM MONO: Set to this position when FM stereo reception is poor and there is a lot of static.

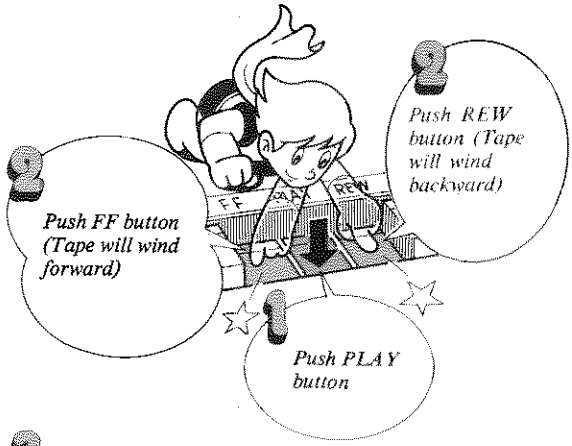
To Listen to a Tape .... Operate in numbered sequence.



● **Automatic Stop**
At the end of a tape, the tape transport will automatically stop and shut off. This applies to PLAY, RECORD, FF and REW modes.

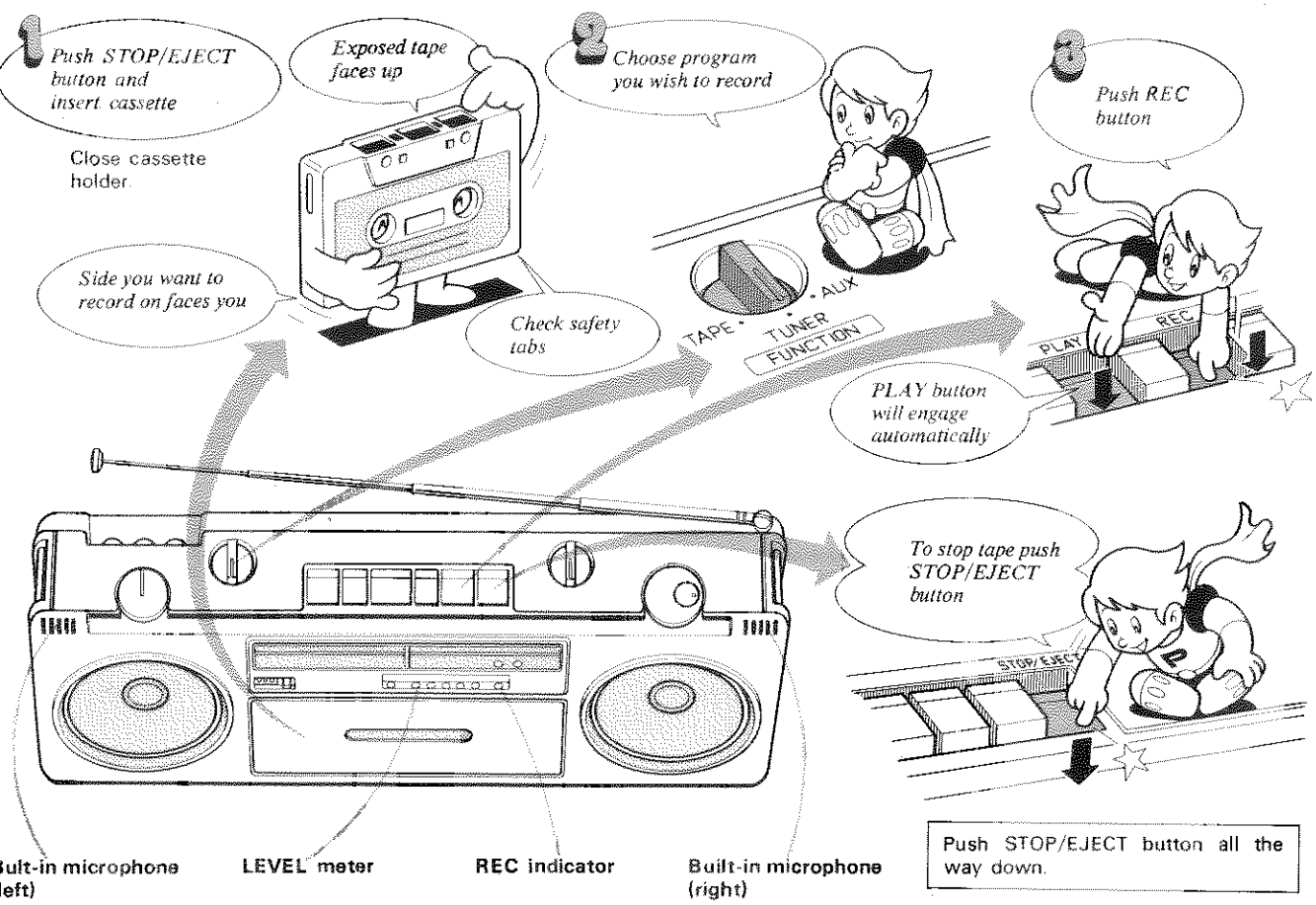
To Find the Beginning of a Song on a Tape

Push the FF or REW button with the PLAY button already depressed, and you will hear a "chirping" sound as the tape winds. This is the recorded sound passing by the heads at high speed. A pause between chirping indicates the beginning or end of a recorded portion.



3 *The tape will start playing at the point where you release your finger from the FF or REW button.*

To Record .... Operate in numbered sequence.



Built-in microphone (left) LEVEL meter REC indicator Built-in microphone (right)

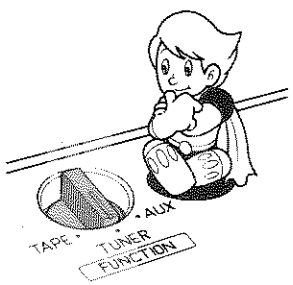
Push STOP/EJECT button all the way down.

Function Switch

TUNER: To record from radio. First, tune in desired radio station. Next, follow instructions in "TO RECORD".

TAPE: To record using built-in microphones. (You should be about 30 centimeters away from built-in microphones when recording.) When recording with external microphones, connect microphones to EXT MIC jacks.

AUX: To record from television or another tape recorder through the AUX jack.



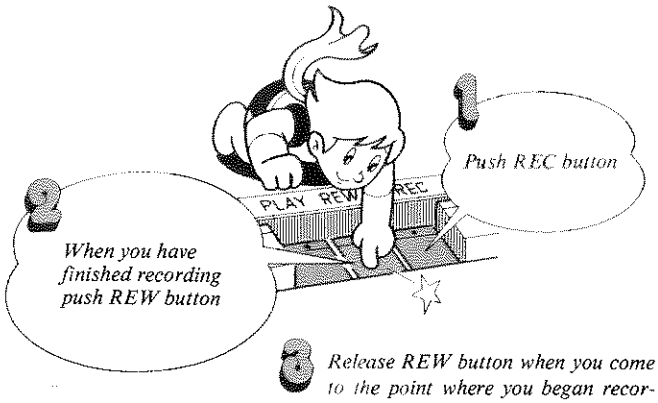
- Plugging in an external microphone will disconnect the built-in microphone corresponding to that channel.
- When using two external microphones, make sure they are of the same type and impedance.

- **Recording Level**
  The recording level is automatically adjusted by the Automatic Level Control (ALC). The LEVEL meter indicates the strength of the input signal.

Adjusting the VOLUME, TONE and BALANCE knobs while recording will have no effect on the recording being made at that time.

The REC button cannot be depressed with a cassette on which the safety tabs have been removed.

To Hear what You've just Recorded (Quick Review)



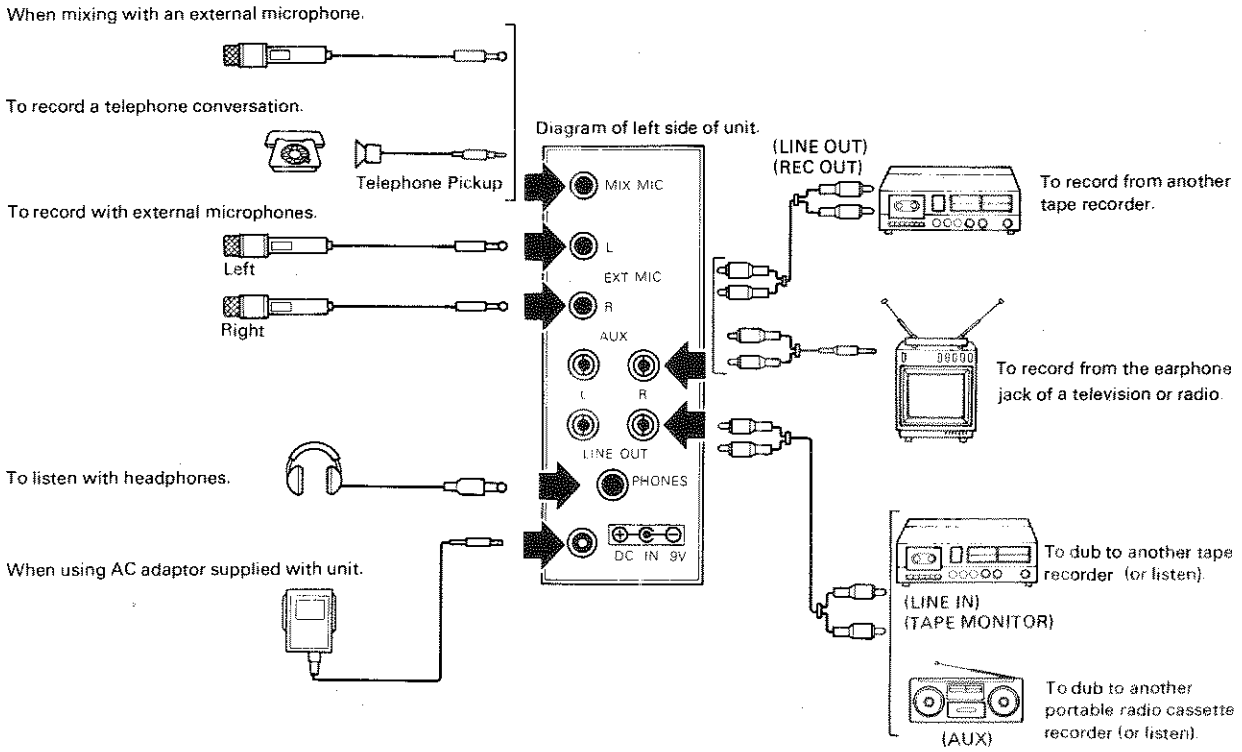
3 *Release REW button when you come to the point where you began recording. Playback will begin.*

If you recorded with the FUNCTION switch set to TUNER or AUX, set it back to TAPE before playback.

For Perfectly-timed Recording

1. Choose the program you wish to record.
2. Push the PAUSE button.
3. Push the REC button.
4. Release the PAUSE button at the exact moment you wish recording to begin.

Possible Connections



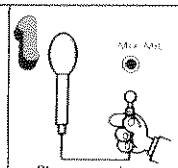
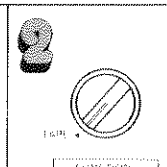
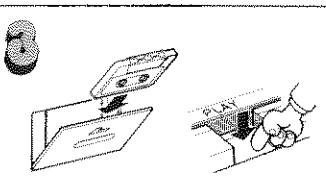
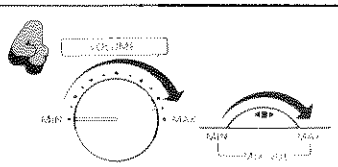
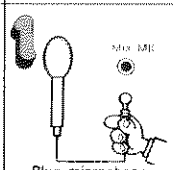
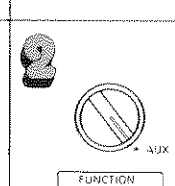
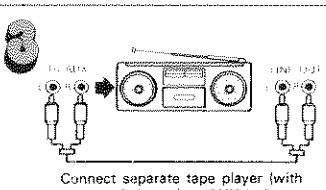
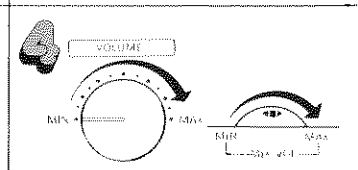
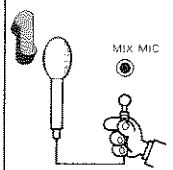
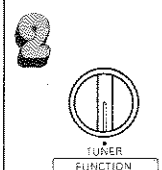
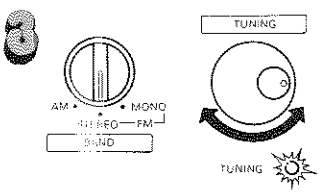
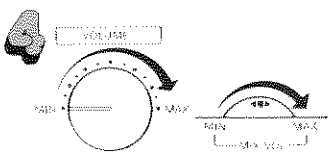
- Insert plugs securely. Improper connections may result in no sound or a lot of static.
- Never plug into AUX and LINE OUT jacks at the same time when recording. Doing so will cause feedback and "howling". Use only one set of jacks at a time.

- No sound will come out of the built-in speakers when headphones are plugged in.
- To record with the telephone pickup, set the FUNCTION switch to AUX, and control volume with the MIX VOL knob. (Nothing should be plugged into the AUX jack at this time.)

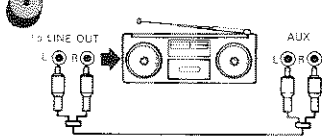
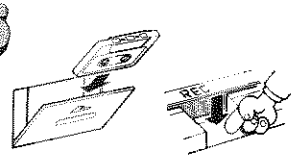
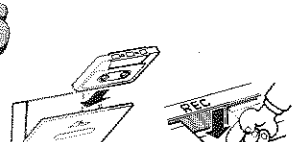
Keep for future reference

Microphone Mixing

By plugging a microphone into the MIX MIC jack, you can hear yourself singing along to music on a prerecorded tape, or make a tape combining your voice with radio programs or music from another tape.

To Hear Your Own Voice Along with Background Music from a Prerecorded Tape	1  Plug microphone into MIX MIC jack.	2 	3  Insert cassette	4  Adjust volume of microphone
To Make a Tape Combining Your Voice and Music from Another Tape	1  Plug microphone into MIX MIC jack.	2 	3  Connect separate tape player (with prerecorded tape) to AUX jack.	4  Adjust volume of microphone
To Make a Tape Combining Your Voice and Radio	1  Plug microphone into MIX MIC jack.	2 	3 	4  Adjust volume of microphone.

To Record

To Hear Your Own Voice Along with Background Music from a Prerecorded Tape	1 ~ 4	5  Connect another tape recorder to the LINE OUT jack and record.
To Make a Tape Combining Your Voice and Music from Another Tape	1 ~ 4	5  Insert cassette.
To Make a Tape Combining Your Voice and Radio	1 ~ 4	5  Insert cassette.

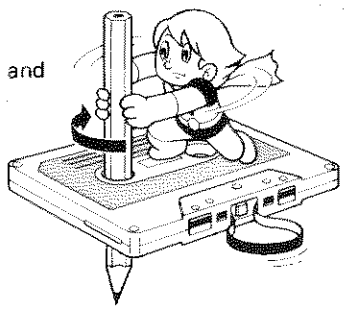
To Use the Unit as a P.A. (Public Address) System

1. Plug microphone into MIX MIC jack.
2. Turn FUNCTION switch to AUX (do not insert anything into AUX jack).
3. Adjust VOLUME and MIX VOL knobs.

Care and Maintenance

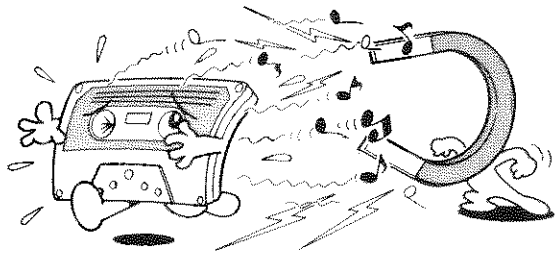
Loosely-wound Tapes

Insert a pencil and wind to take up slack.



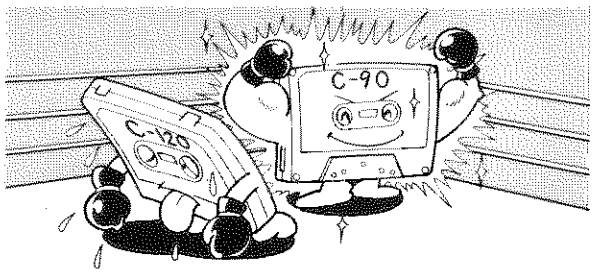
A loosely-wound tape can easily be damaged. It should be tightened before use.

Keep Cassettes Away from Magnets!



If a cassette tape is left near a magnet or magnetized object the recording may be erased.

Don't Use Tapes with More Than 90 Minutes Playing Time

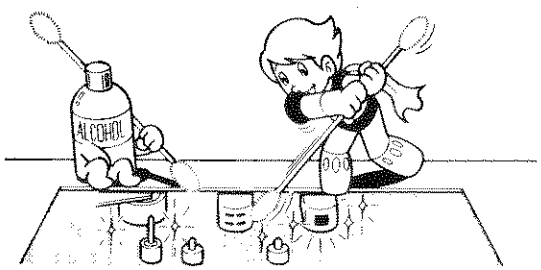


The longer playing tapes may wear thin, stretch or become entangled.

Always Keep the Heads Clean

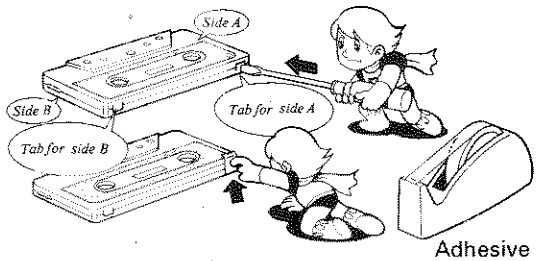
The heads are very important parts of the tape recorder. If they become dirty, sound quality will deteriorate and skipping may occur. Clean the heads every 10 — 15 hours of use.

1. Push STOP/EJECT button and open cassette holder.
2. Push PAUSE and PLAY buttons.
3. Clean heads carefully with a cotton applicator soaked in alcohol. Use about as much pressure as when erasing a pencil mark with an eraser.



Cassette Tapes have Two Safety Tabs

Remove safety tabs to prevent accidental erasure.



Adhesive tape

To record on a cassette from which safety tabs have been removed, cover the safety tab openings with adhesive tape.

Clean the Cabinet by Wiping with a Soft Cloth

Avoid using furniture wax or solvents such as benzene and paint thinner. They will damage the cabinet surface.

Keep for future reference

Points to be Checked Prior to Servicing

Minor operational troubles are often mistaken for a breakdown.
Check the following points before having your unit repaired.

■ **Does not operate. (No sound.)**

- Batteries incorrectly loaded. ➡ Reload with ⊕ ⊖ polarities in proper position.
- Batteries exhausted. ➡ Replace with new batteries.
- AC adaptor is not plugged in properly. ➡ Plug in properly.
- FUNCTION switch is in wrong position. ➡ Set to correct position.

■ **Volume is low even when volume control is turned up. Poor sound quality.**

- Batteries exhausted. ➡ Replace with new batteries.
- Heads are dirty. ➡ Clean thoroughly.

■ **Unable to record.**

- Cassette safety tabs have been removed. ➡ Cover tab openings with adhesive tape.
- PAUSE button is depressed. ➡ Push to release.
- FUNCTION switch is in wrong position. ➡ Set to correct position.

● **In Case of Trouble**
If ever the unit does not function properly, contact your dealer or the nearest authorized PIONEER Service Station.

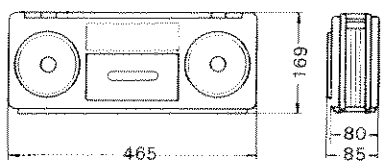
Specifications

Max. music power	9W (total music power)
Speaker	10 cm (4 in.) full range
Input	AUX, EXT MIC, MIX MIC
Output	LINE OUT, headphone
Subfunction	One touch recording, cue and review, MIC mixing
Indicator	Power (red LED), REC (red LED), tuning (green LED), FM stereo (red LED), level meter (5P red LED)
Frequency range	FM: 88 ~ 108 MHz AM: 525 ~ 1,605 kHz
Power source	EXT 9V DC, 9V DC (six 1.5V "C" batteries)
Power consumption	9W
Dimensions (W × H × D)	465 × 169 × 80 mm (18-1/4 × 6-5/8 × 3-1/8 in.)
Weight	2.8 kg (6.2 lbs., including batteries and strap) 2.5 kg (5.5 lbs., without batteries but including strap)
Principal accessories	Strap *AC adaptor (OR-200)

*AC adaptor (OR-200)

Input	120/220/240V AC, 50/60 Hz
Output	9V DC, 500 mA
Polarity	⊕—◉—⊖

Note: Specifications and design are subject to change without notice.



(mm)

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